Heat Alarm

MAINS POWERED 230V~

Rechargeable Battery Back-Up

Model Ei154TL Heat

- **Tamper proof rechargeable lithium battery back up**
- **Fixed temperature fast response thermistor type sensor, range 54°C to 62°C**
- **Test button**
- **Advanced suppression and calibration technology**
- **Interconnectable to other Ei mains powered alarms**
- **Low power cell warning**
- **Kitemarked to BS5446-2:2003**
- **5 year guarantee**

Product Description

The Ei154TL is a Heat Alarm that runs on 230V AC mains power, and has built in tamper proof rechargeable lithium cells that act as a battery back up in the event of mains failure. These rechargeable lithium cells are designed to have a ten year life and outlast the life of the heat alarm itself, whilst providing up to six months of heat alarm operation without mains power.

The Ei154TL has advanced features such as the ability to interconnect up to twelve alarms to allow all alarms to sound if just one of the interconnected alarms should be triggered.

The Ei154TL has built in circuitry to aid suppression of voltage transients and RF interference to further reduce the chances of false alarms under such conditions.

The Ei154TL heat alarm gives a fire warning when the temperature at the unit reaches 58^{0}C. Heat alarms are ideal for use in kitchens and garages, where the use of optical or ionisation alarms would lead to unwanted nuisance alarms

On escape routes this alarm must be interconnected with smoke alarms.

Operation

- The green indicator will illuminate to show mains power is present
- The red indicator will flash every 40 seconds to show that the detector has performed an automatic self test
- The red indicator will flash rapidly to show an alarm condition for the smoke detector
- The “Test” button will perform a unit self test and sound the horn
- When interconnected to other Ei mains powered alarms, an alarm on one detector will trigger all other interconnected alarms within one second (only the triggered alarm will flash a red indicator)
- The heat detector will emit a beep every 40 seconds to indicate that the battery back up is depleted and needs recharging

Ei Electronics®

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E & OE As our policy is one of continuous product development, we reserve the right to alter product details without prior notice.

Model Ei154TL Heat

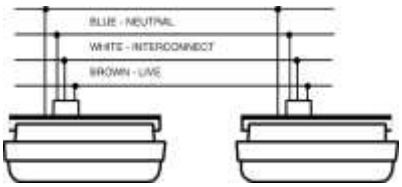
Technical Specification

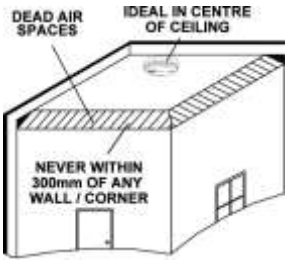
Sensor	Thermistor
Sensitivity:	Complies with BS 5446 Part 2: 2003
Source:	Contains no radioactive material
Airspeed:	Essentially immune to the effect of airspeed.
Button Test:	Simulates the effect of heat and checks electronics and horn.
Supply Voltage:	230V AC
Battery back up:	Rechargeable lithium cells
Power-On Indicator:	Continuous green LED
Alarm:	Electronic Piezoelectric horn in unit
Alarm Sound Output:	85dB (minimum) at 3m
Alarm Status:	Red LED flashes every second on unit sensing heat
Temperature Range:	0° to 40°C
Humidity Range:	15% to 95% Relative Humidity
Interconnect:	Up to 12 interconnected Ei150/151TL/151TLR/154TL/155/156TL/156TLR smoke or heat alarms, along with an EI158 relay base
Fixing:	Screw fixings supplied
Plastic material:	UL94VO flame retardant
Dimensions:	140mm x 120mm x 58mm.
Weight:	195g
Warranty:	5 year (limited) warranty
Approvals:	Kitemarked to BS5446-2:2003, CE Approved

Specifications are subject to change

Installation & Placement

Wiring for Interconnected Alarms





Be very careful about correctly wiring the alarms as mixing Live and Neutral will blow/damage interconnected alarms.

Alarms should be placed in accordance with the general guidelines shown in the diagram above. These recommendations are based on the problem of areas of “dead air” close to corners of rooms and apexes of ceilings, which could result in the prevention of smoke reaching the smoke detector

Please consult instruction booklet for specific installation details

Important Precaution:
Do not install the actual smoke/heat alarm itself in new or renovated buildings until all work is completed (including floor coverings) and the building has been fully cleaned. The wiring can be installed when appropriate. (Excessive dust and debris from building work can contaminate the smoke chamber and cause problems, and it will also invalidate the guarantee). If it must be installed, cover it completely, particularly around the edges, with a dust cover (eg. a plastic bag), until all cleaning is finished.. Connect wires to the unit as in wiring diagram. All wiring must comply with local codes.

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